

SAOS et OAM

Bilan dento-squelettique

Boris Pételle, GHU Paris Est

Conflit d'intérêt

Période 2012-2015	Industrie pharmaceutique, prestataire, fabricant d'orthèses ou de ventilateurs
Coordonnateur études	
Investigateur études	
Consultant	Bluesom, OBL, GSK
Invitation à des congrès	Elia Médical, Grand Audition
Orateur rémunéré	Fischer Paykel, Deltex, Macs formation

Contenu :
tissus mous
hypertrophiés

Contenant :
squelette
étroit



S
A
O
S



génioglosse
tonus diminué

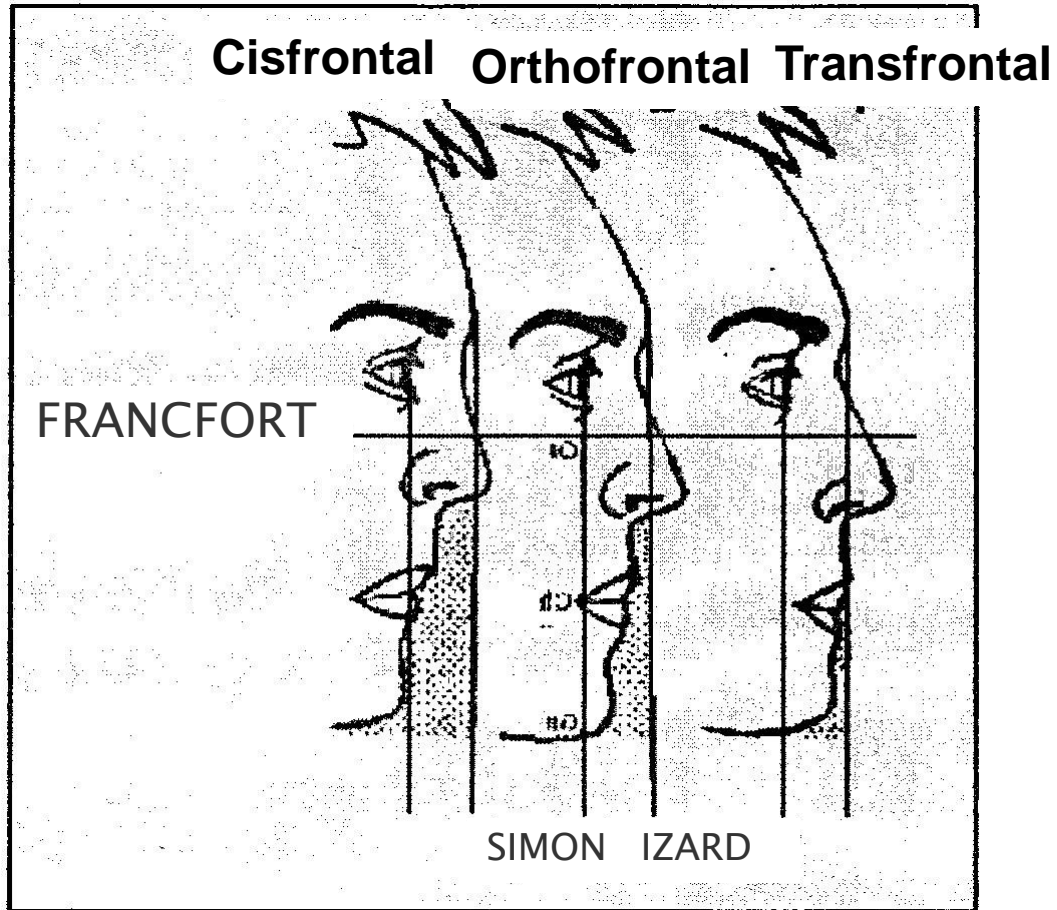
Bilan dento-squelettique

- ▶ Objectifs?
 - Morphologique
 - Pré-thérapeutique
 - Pronostic
 - Alternative

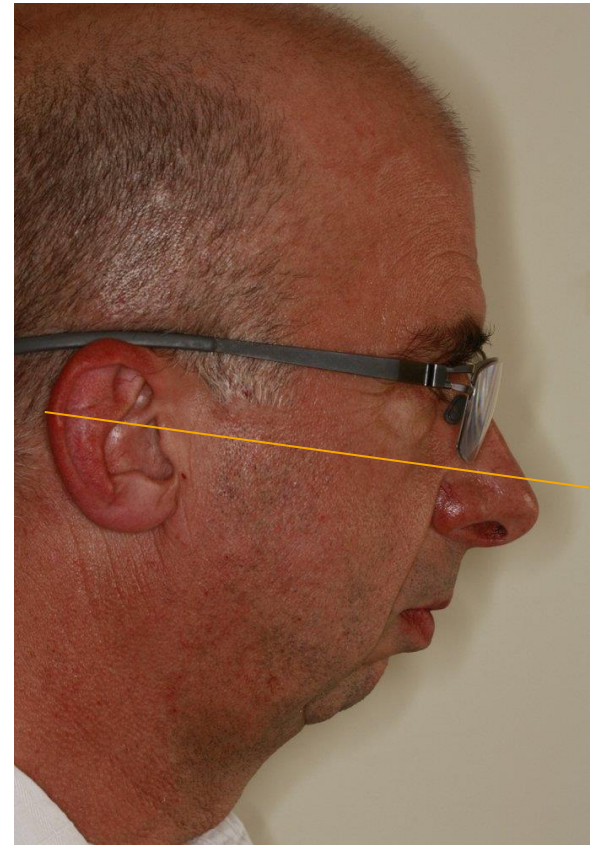
- ▶ Comment?
 - Clinique:
 - Face de profil
 - Rapport inter-arcades (Classe d'Angle)
 - Radio conventionnelle 2D
 - Céphalométrie
 - Futur: Imagerie Cône Beam

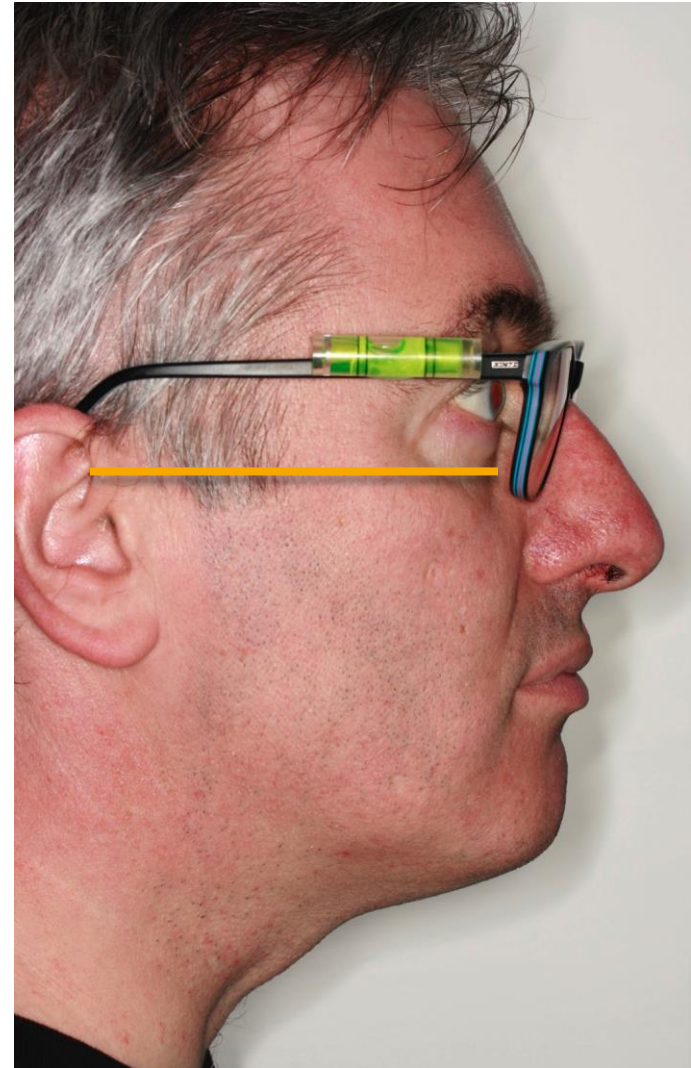
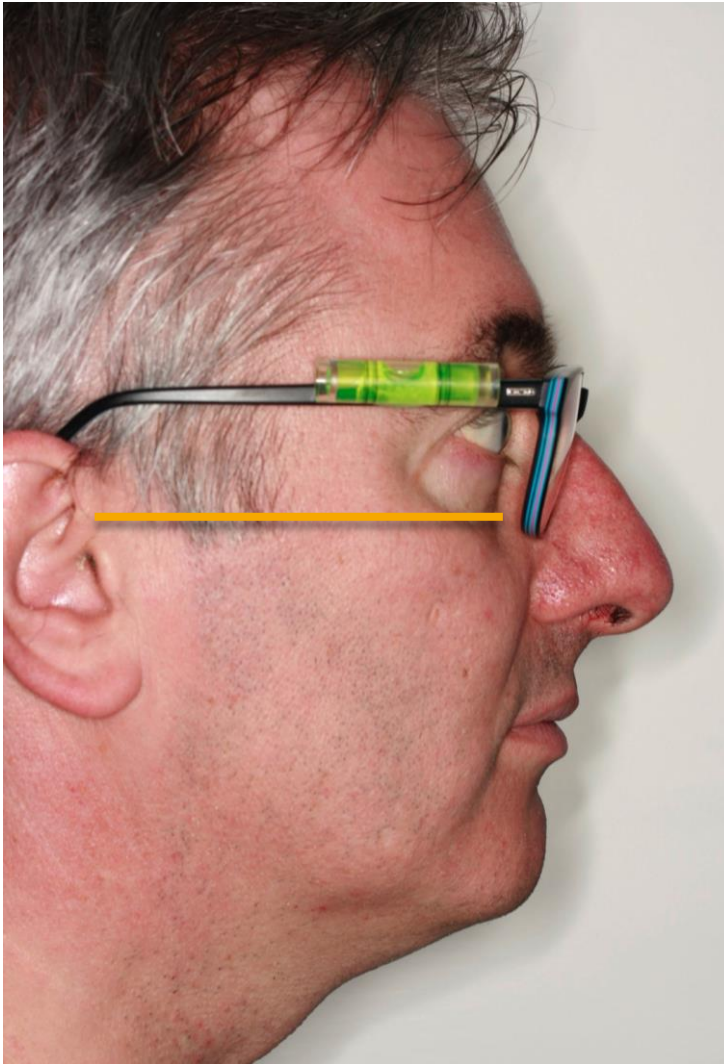
- ▶ En pratique?

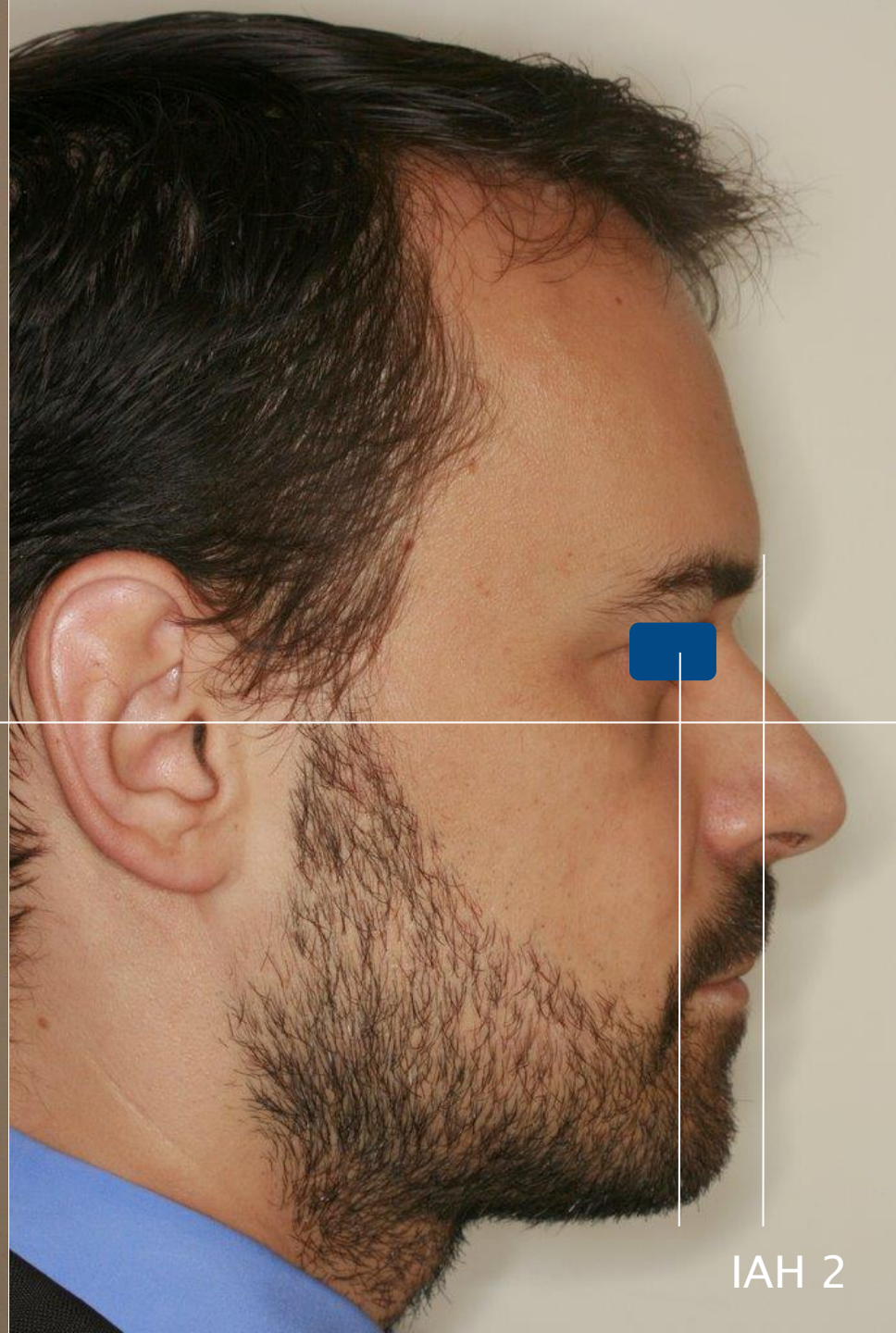
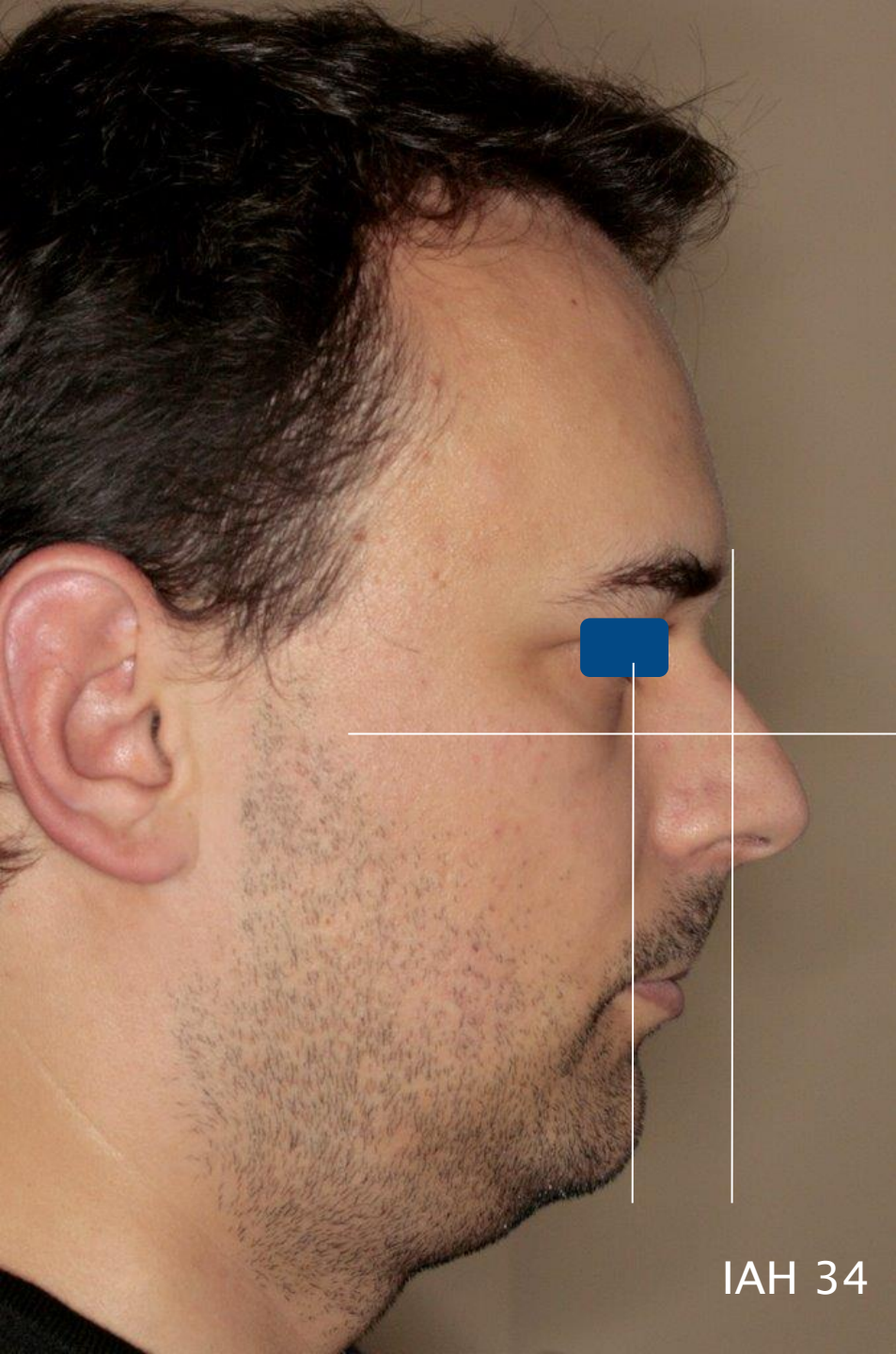
Analyse morphologique du profil : Profils d'Izard



Référence horizontale: plan Francfort







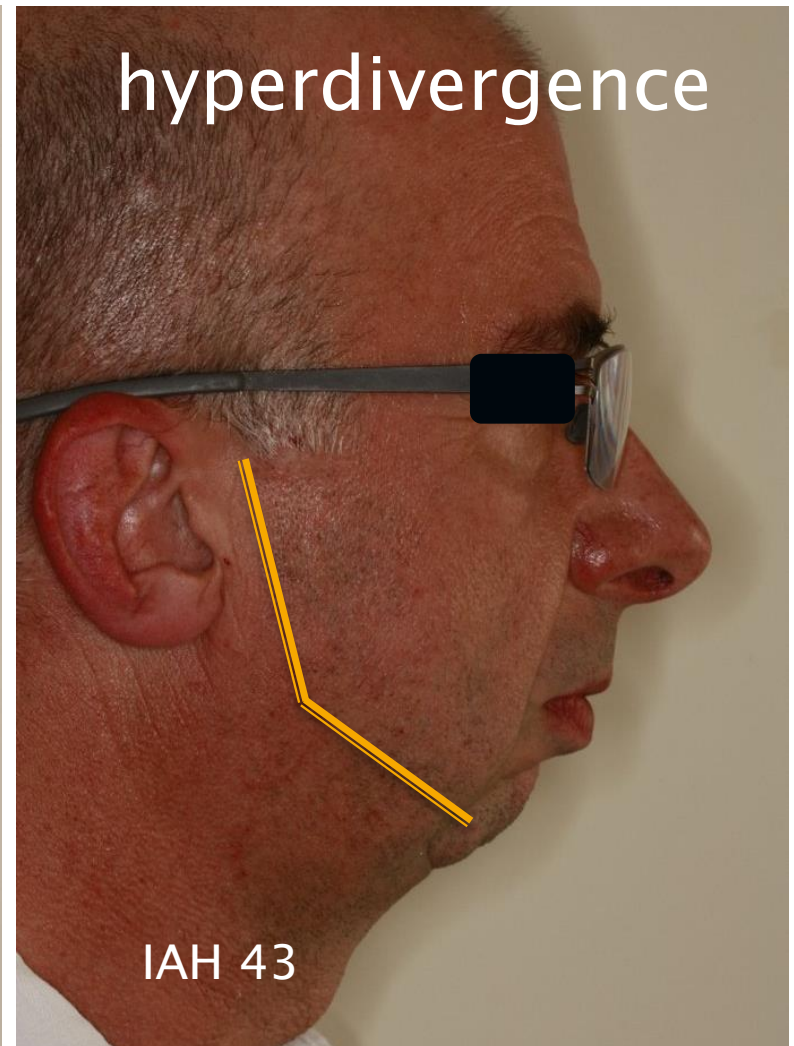
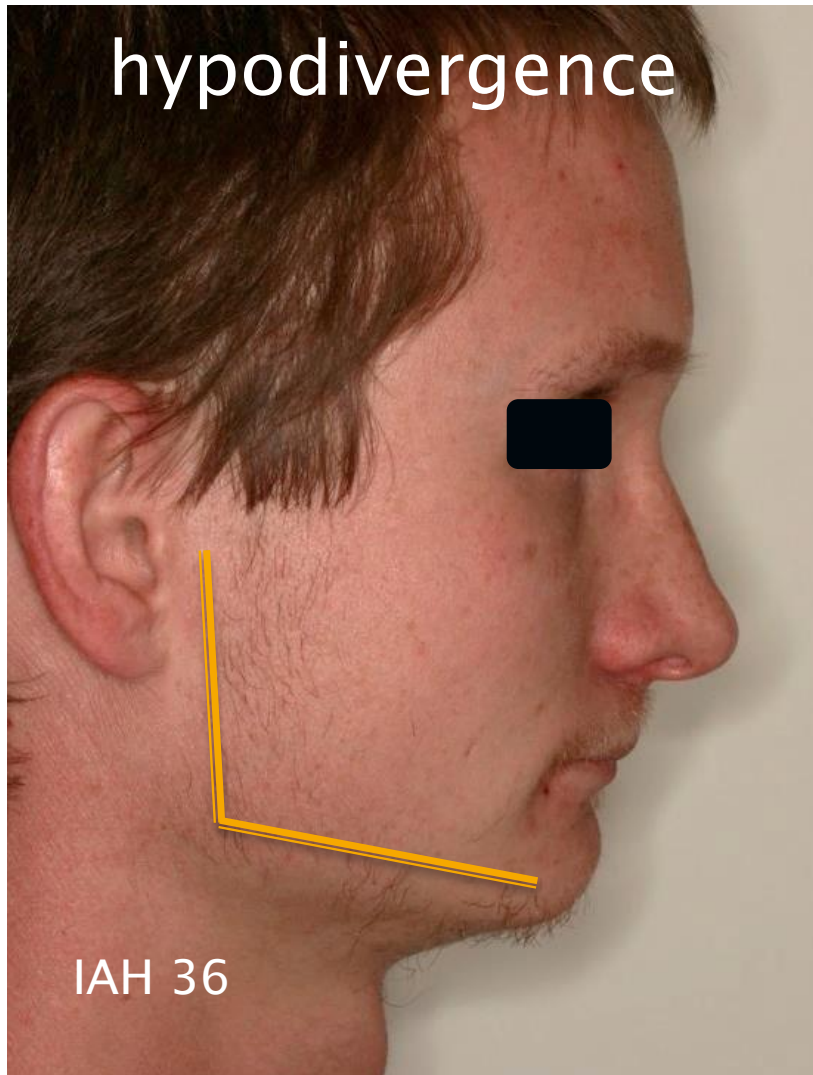
Profil transfrontal



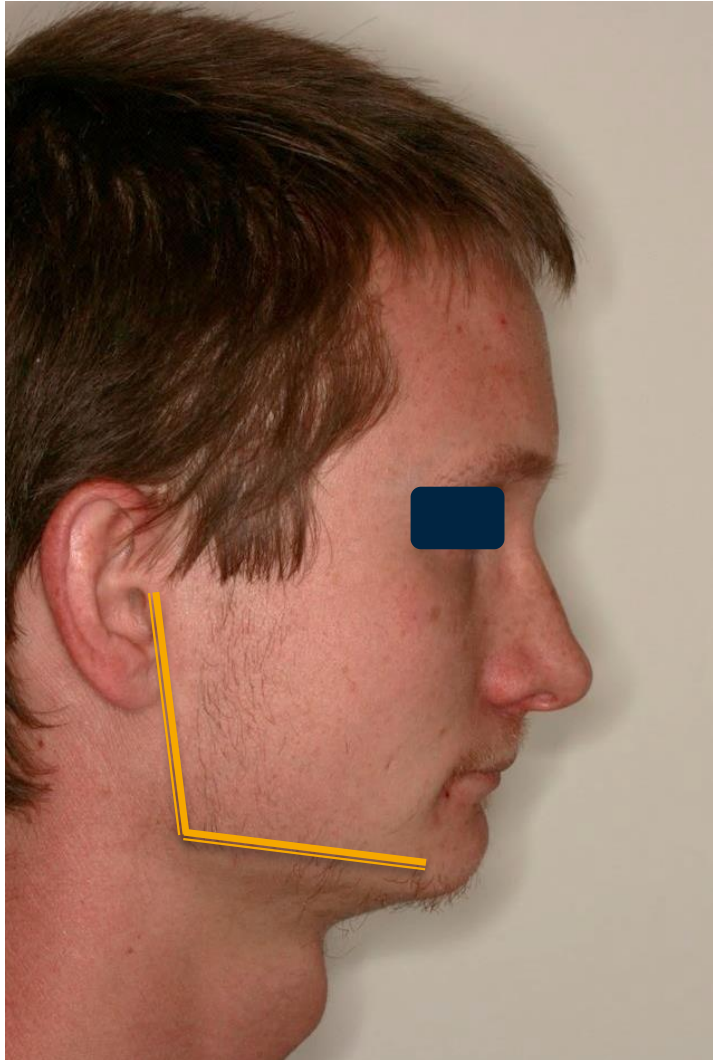
Simulation



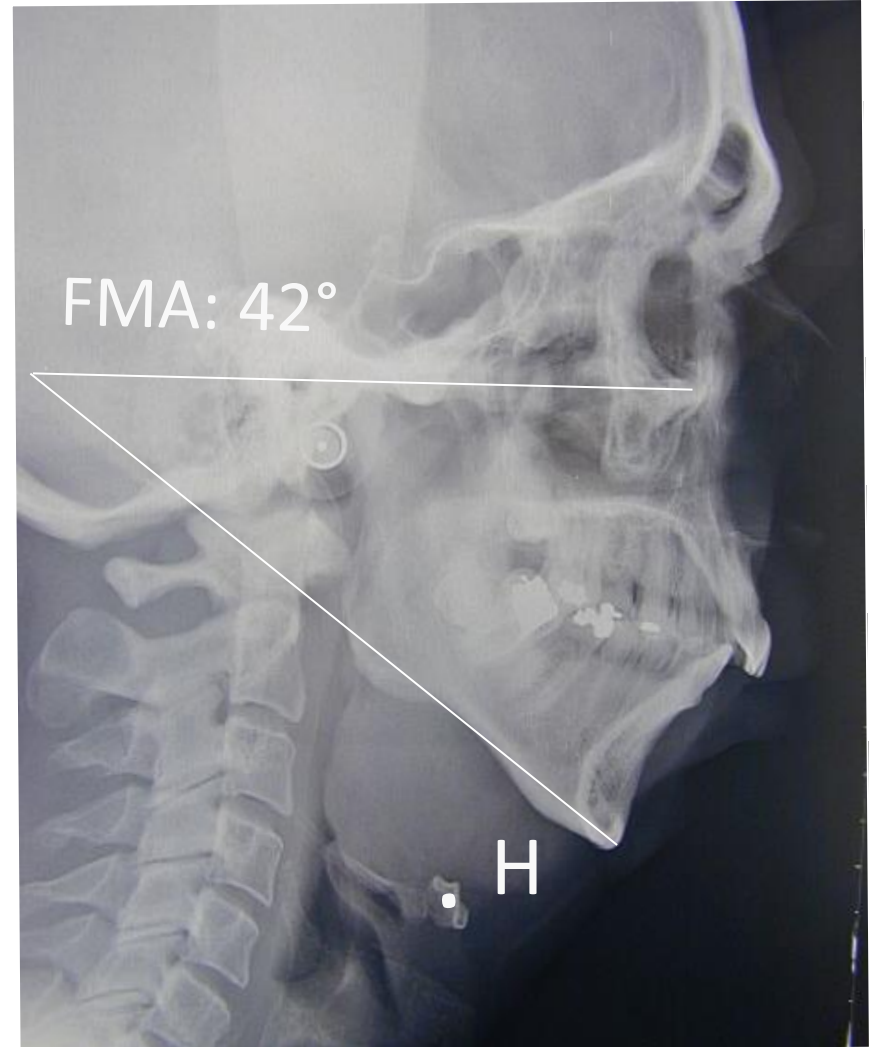
Divergence faciale?



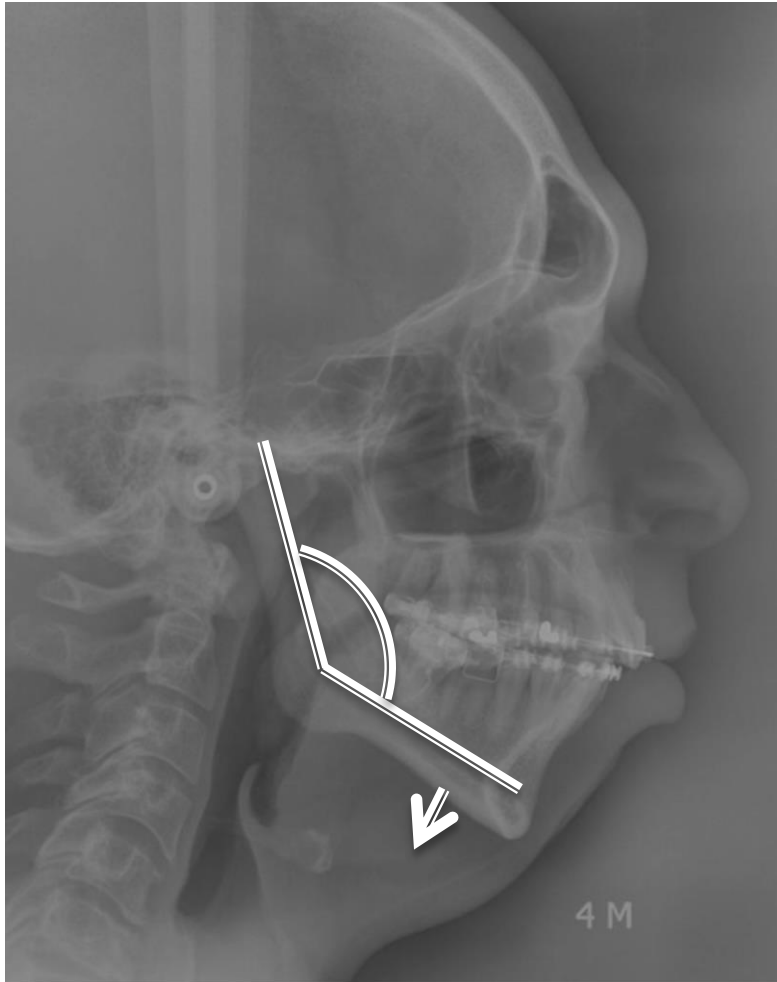
Hypodivergence (FMA < 22°)



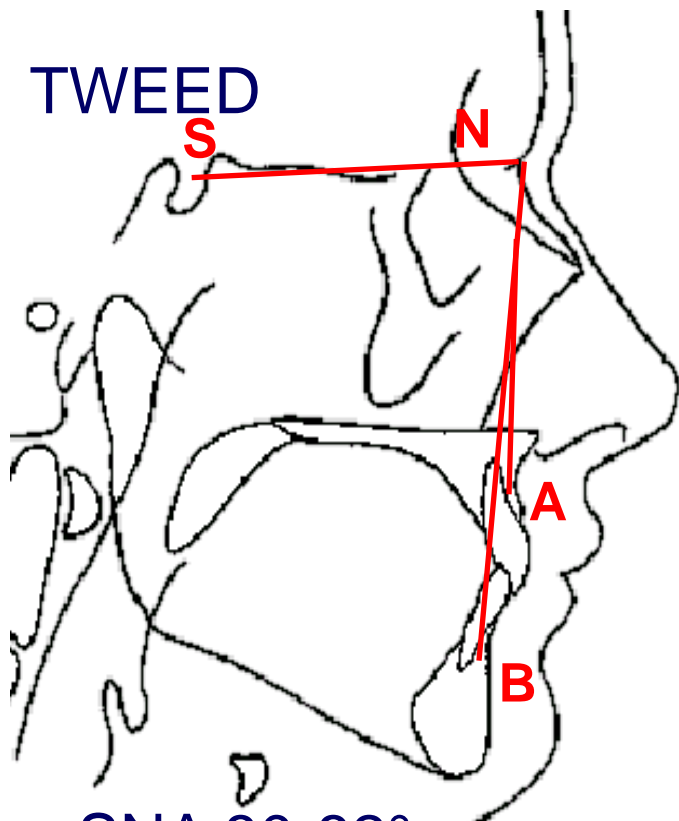
Hyperdivergence ($FMA > 28^\circ$)



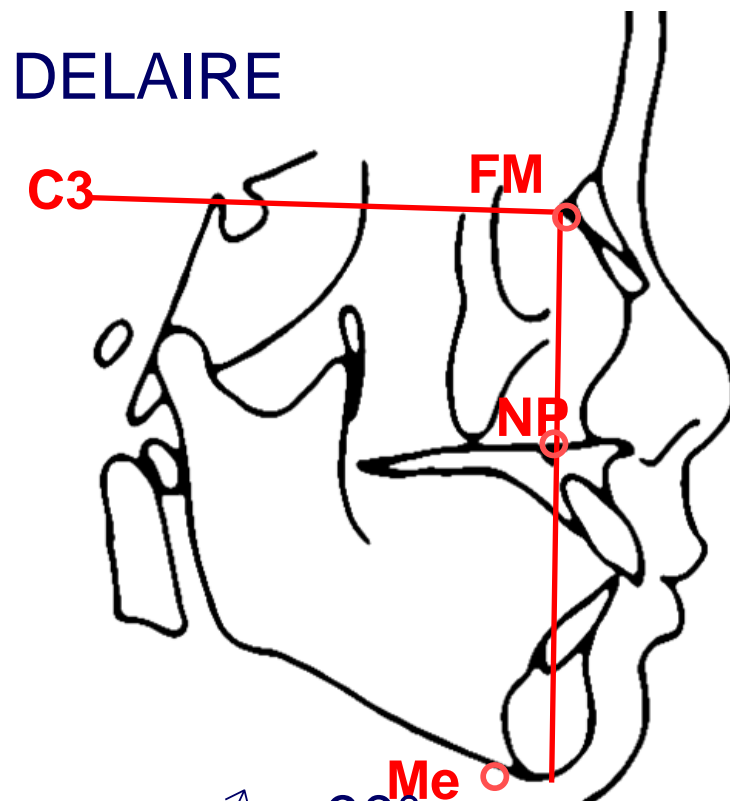
Rotation postérieure



Analyses squelettiques

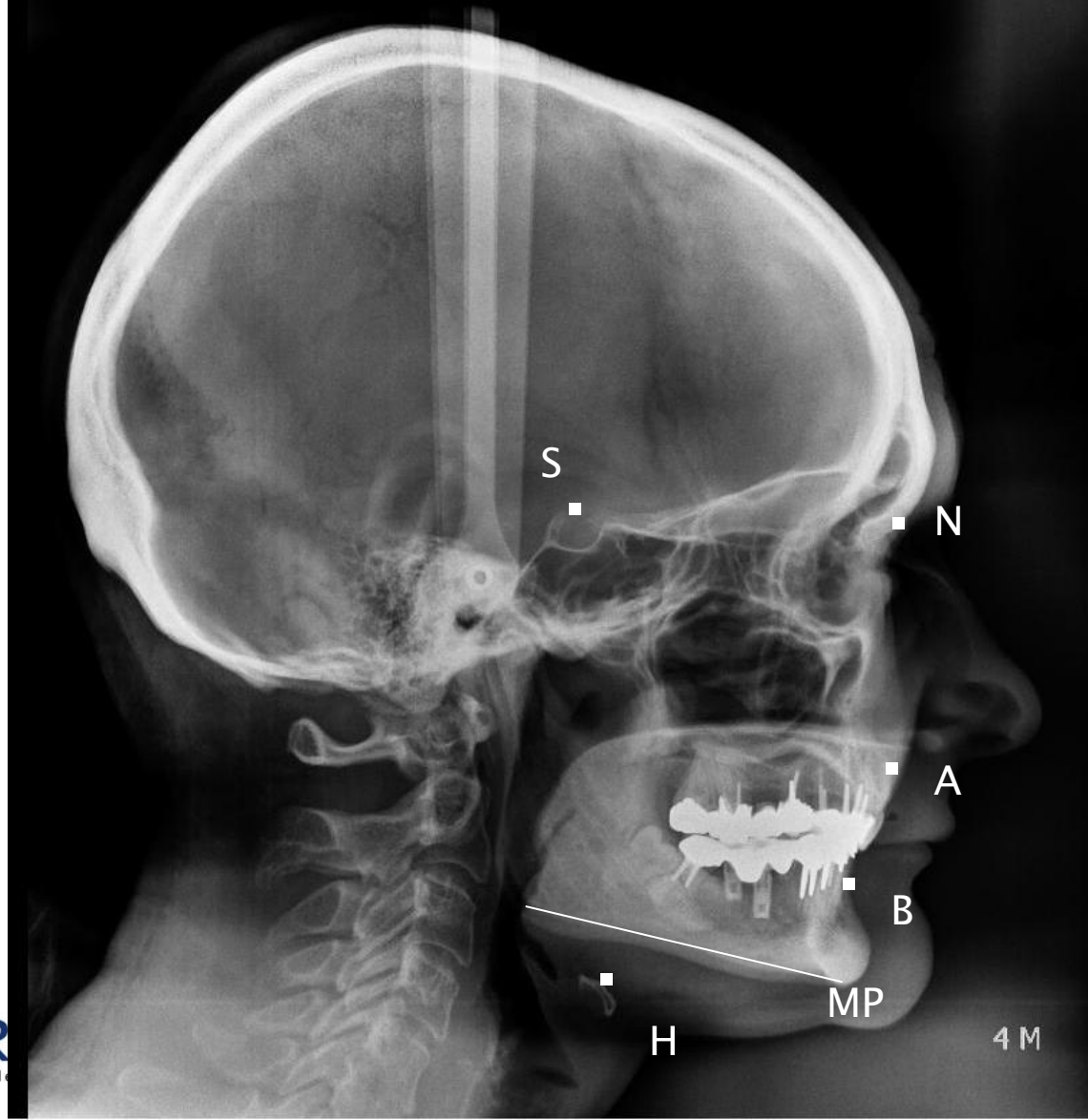


SNA 80-82°
SNB 78-80°

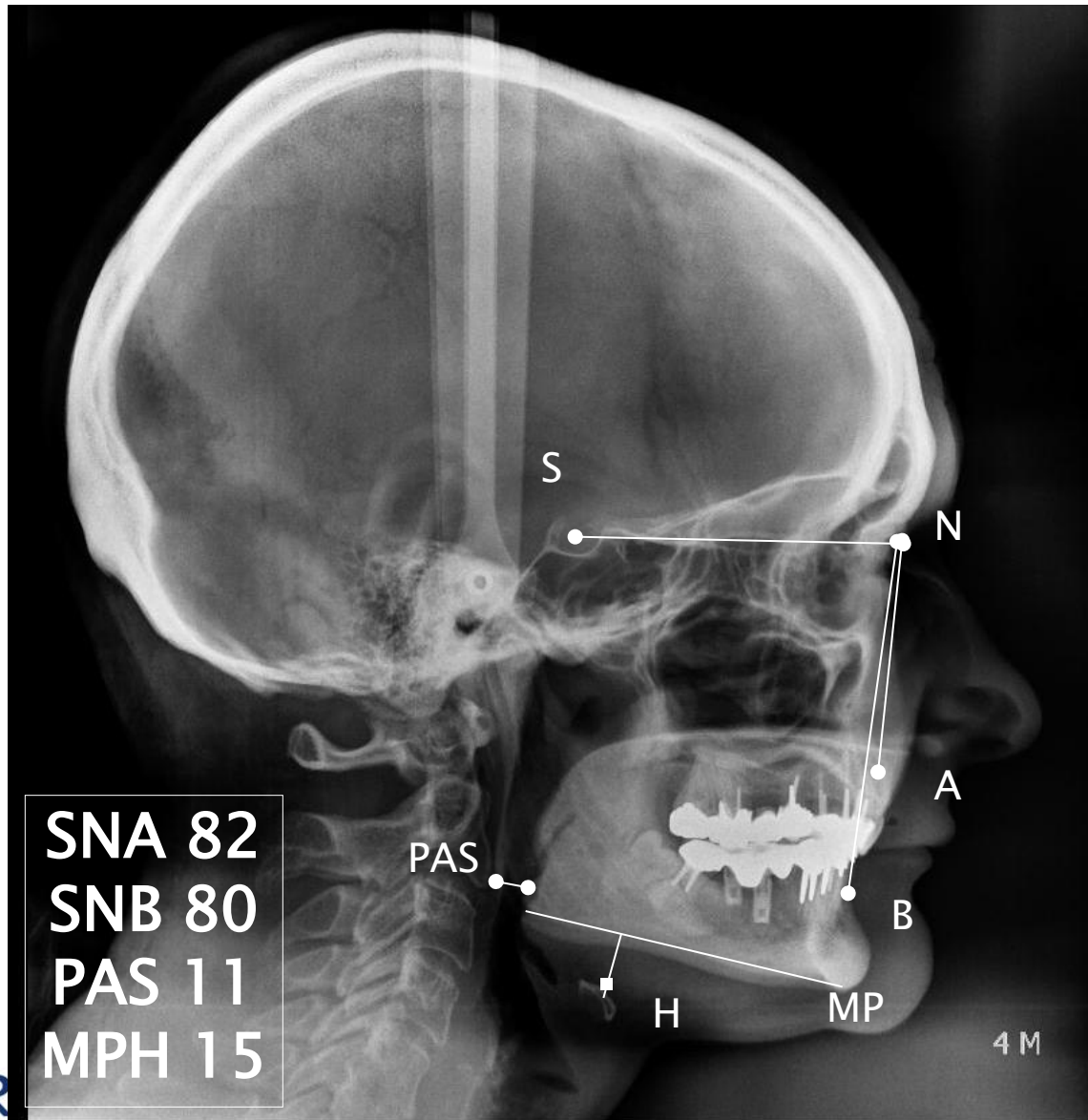


C3FMNP ♂ : 90°
C3FMMe ♀ : 85°

TWEED modifié par RILEY

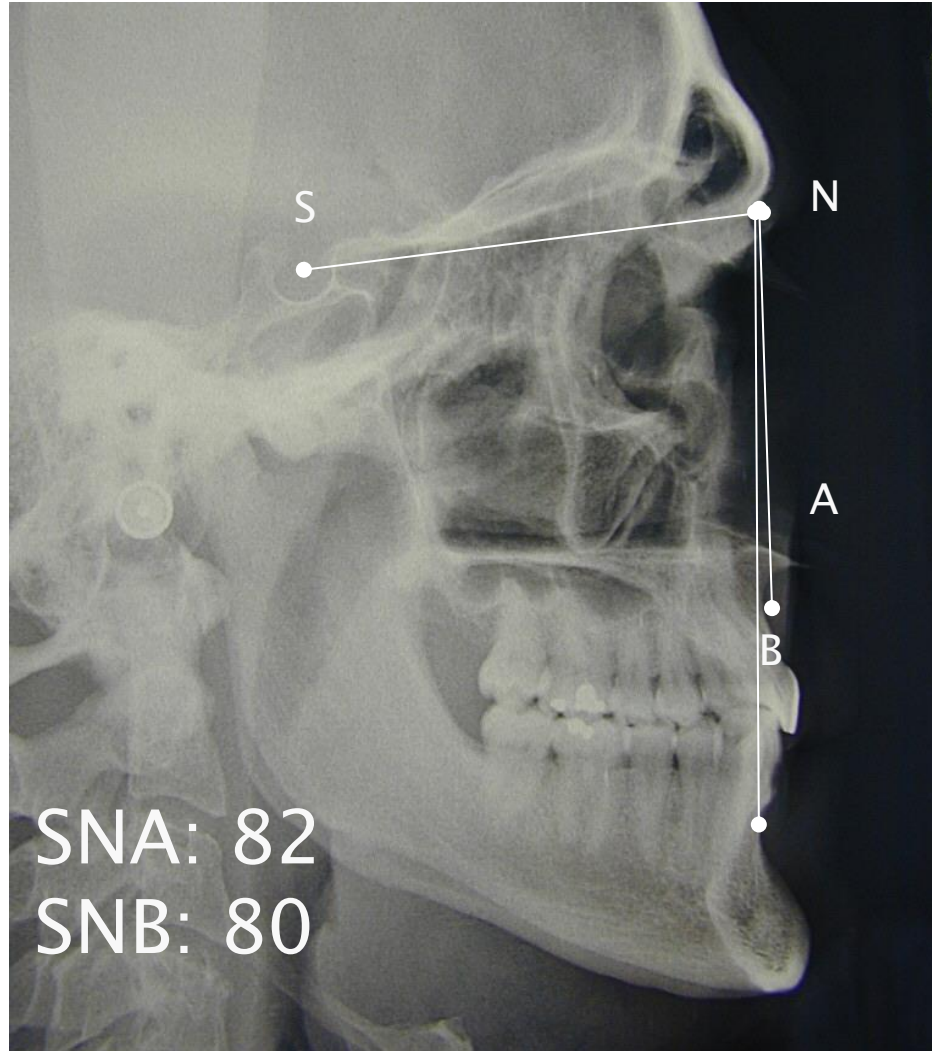


TWEED modifié par RILEY



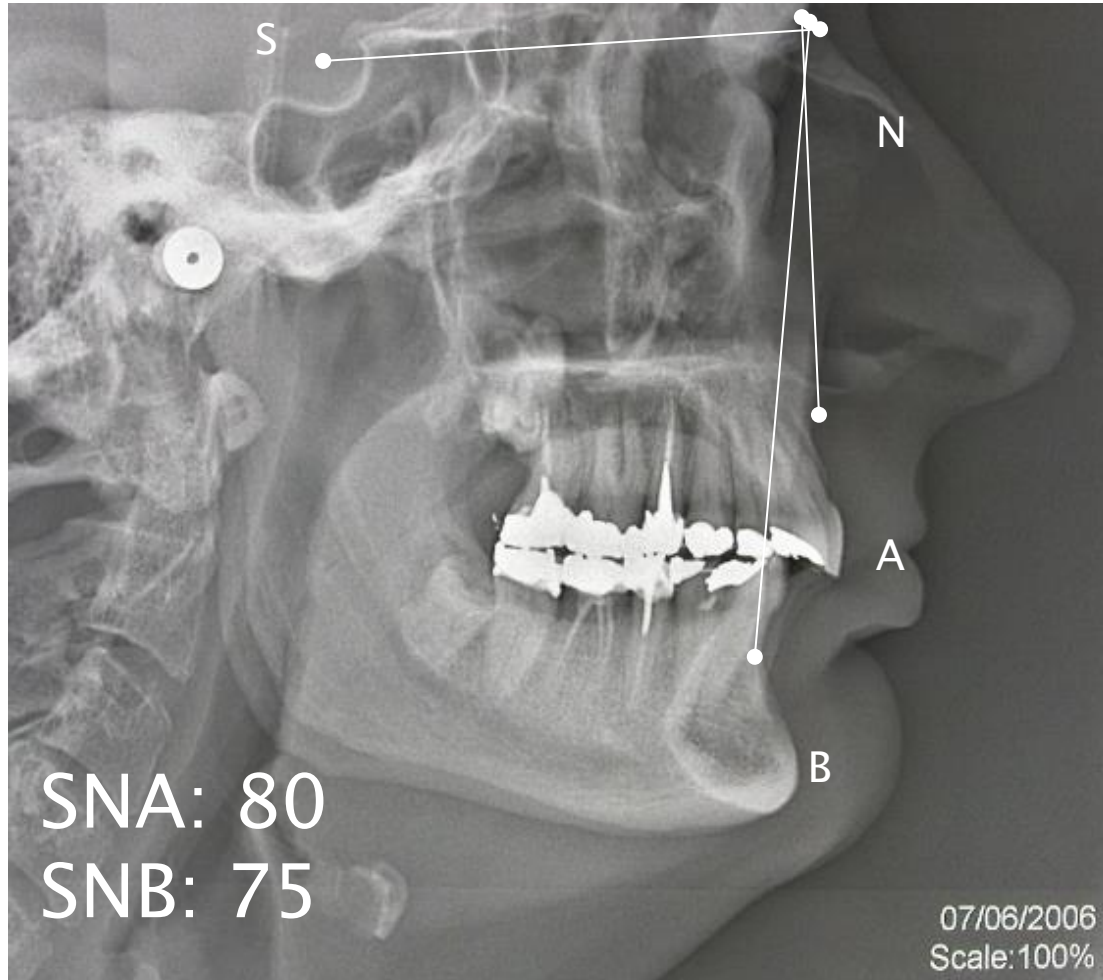
Classe I squelettique

ANB 0°– 4°



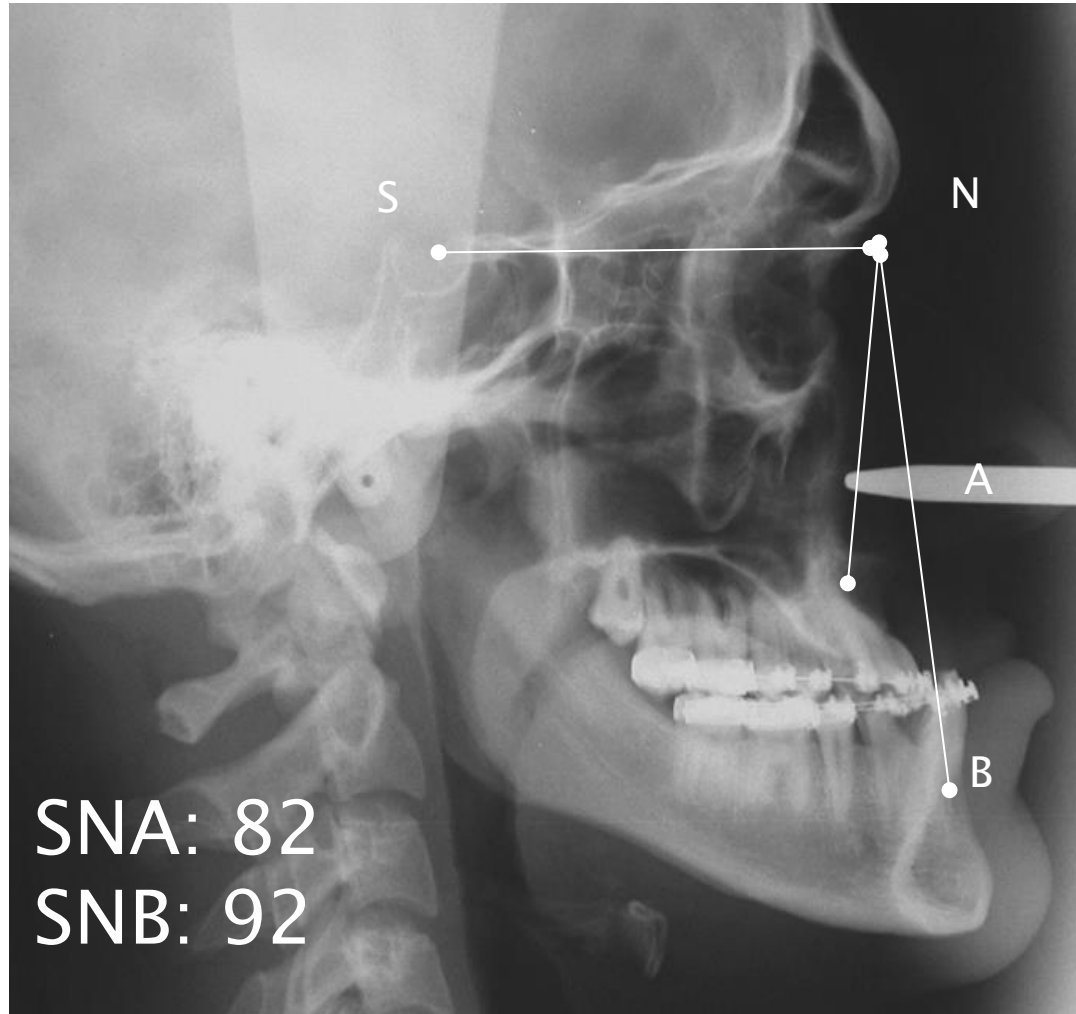
Classe II squelettique

$ANB > 4^\circ$

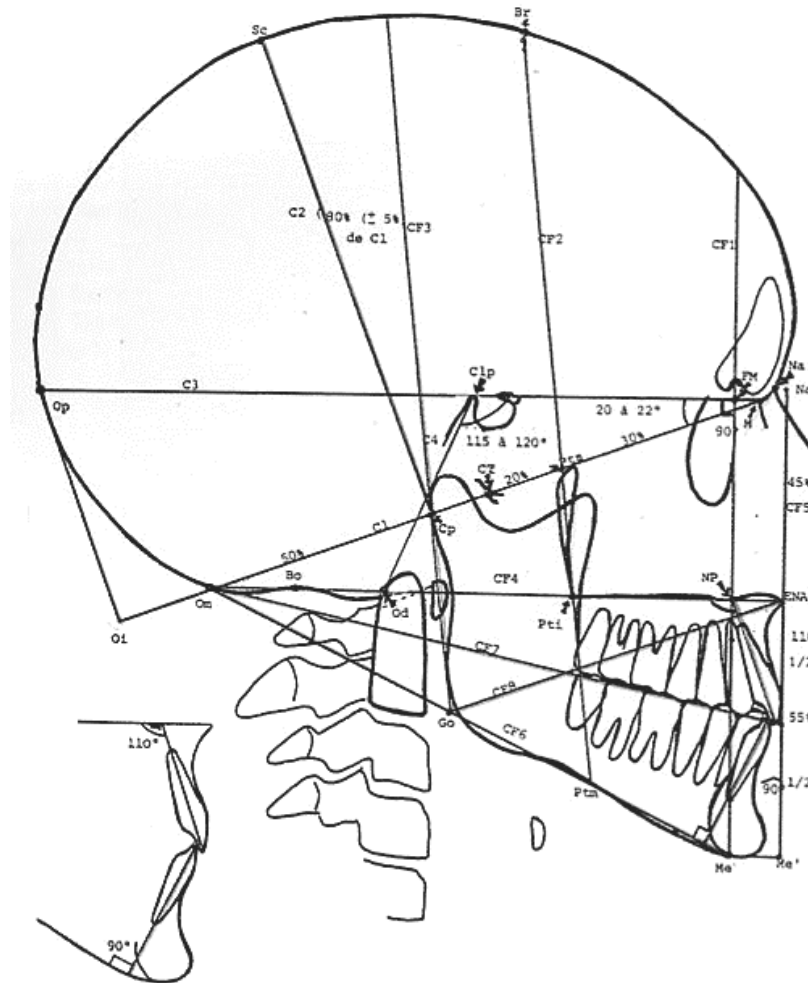


Classe III squelettique

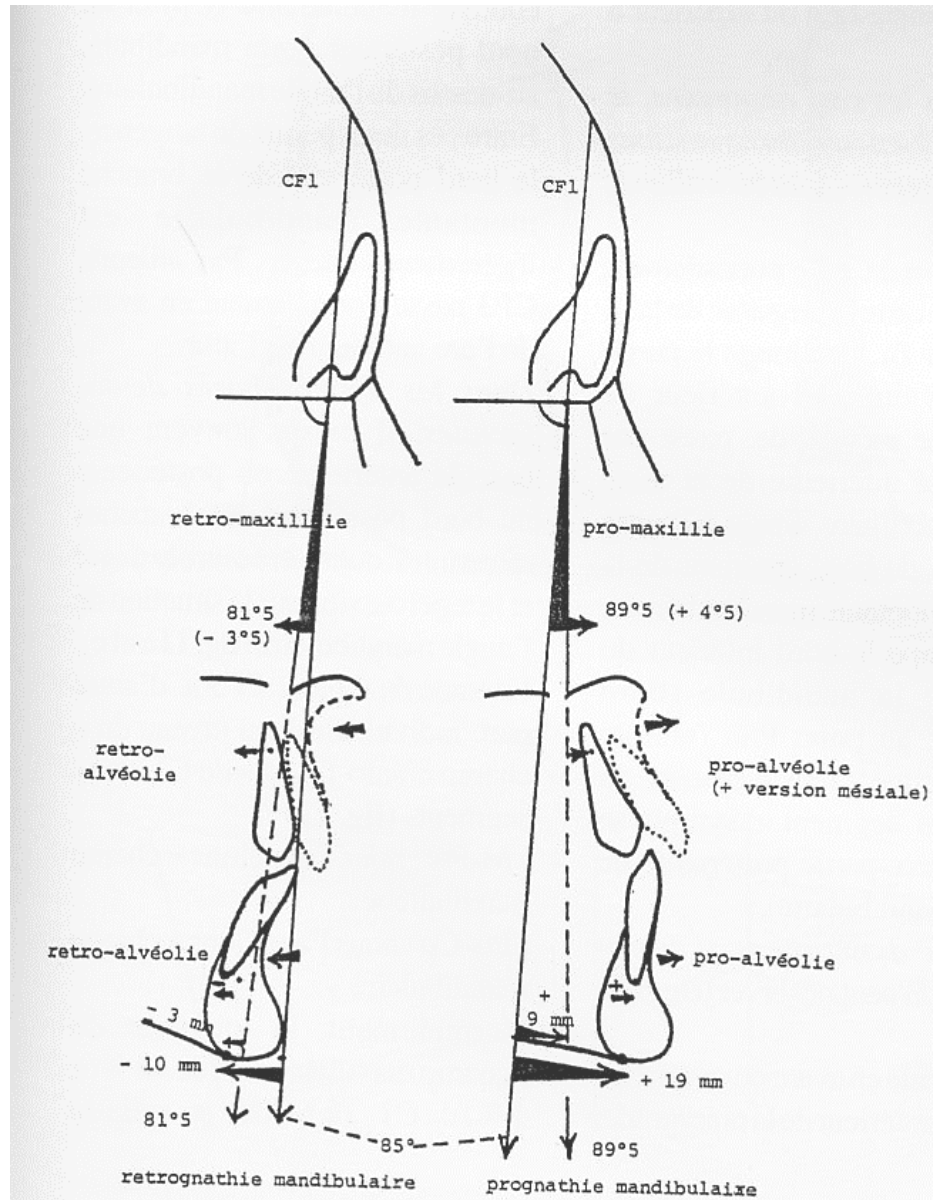
$ANB < 0^\circ$

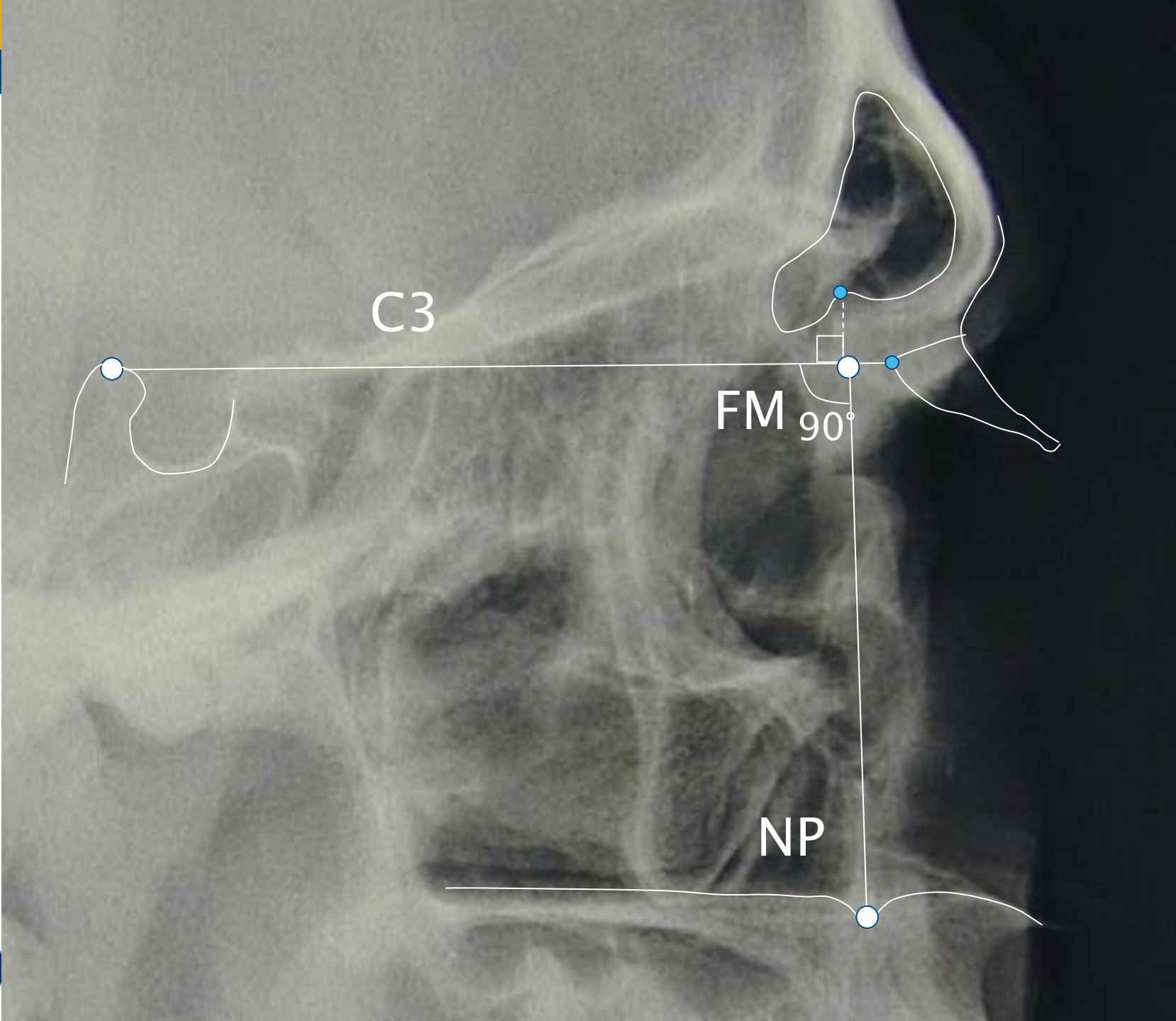


Analyse de Delaire



Analyse de Delaire





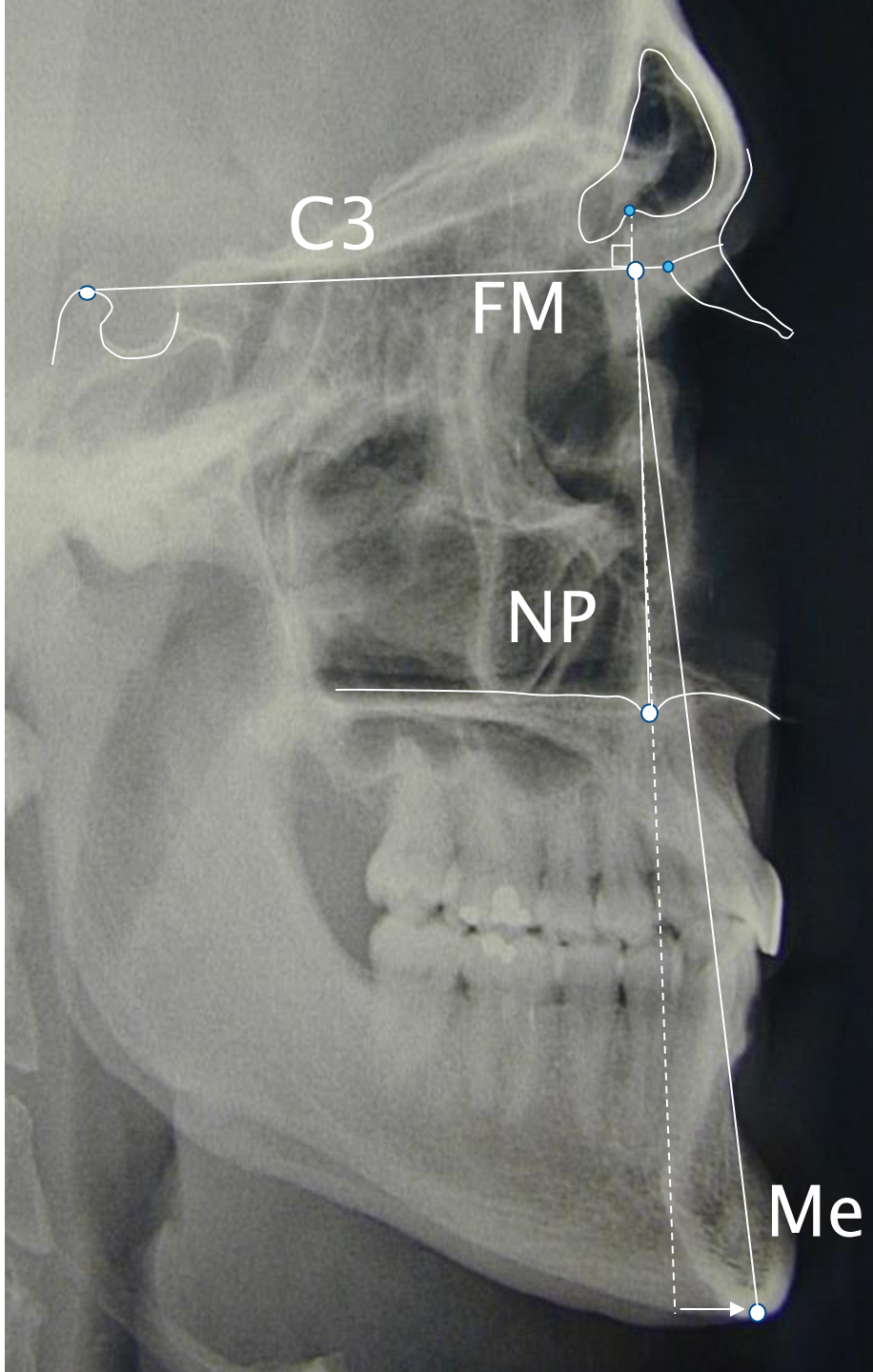
C3

FM

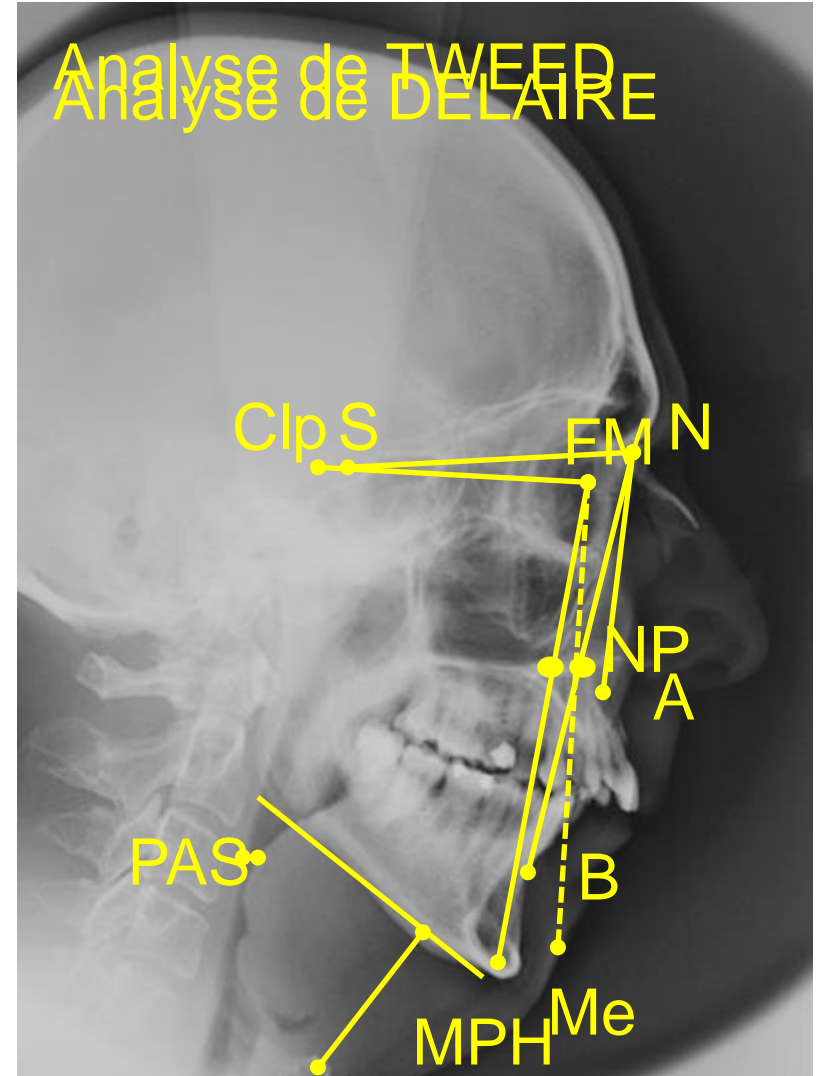
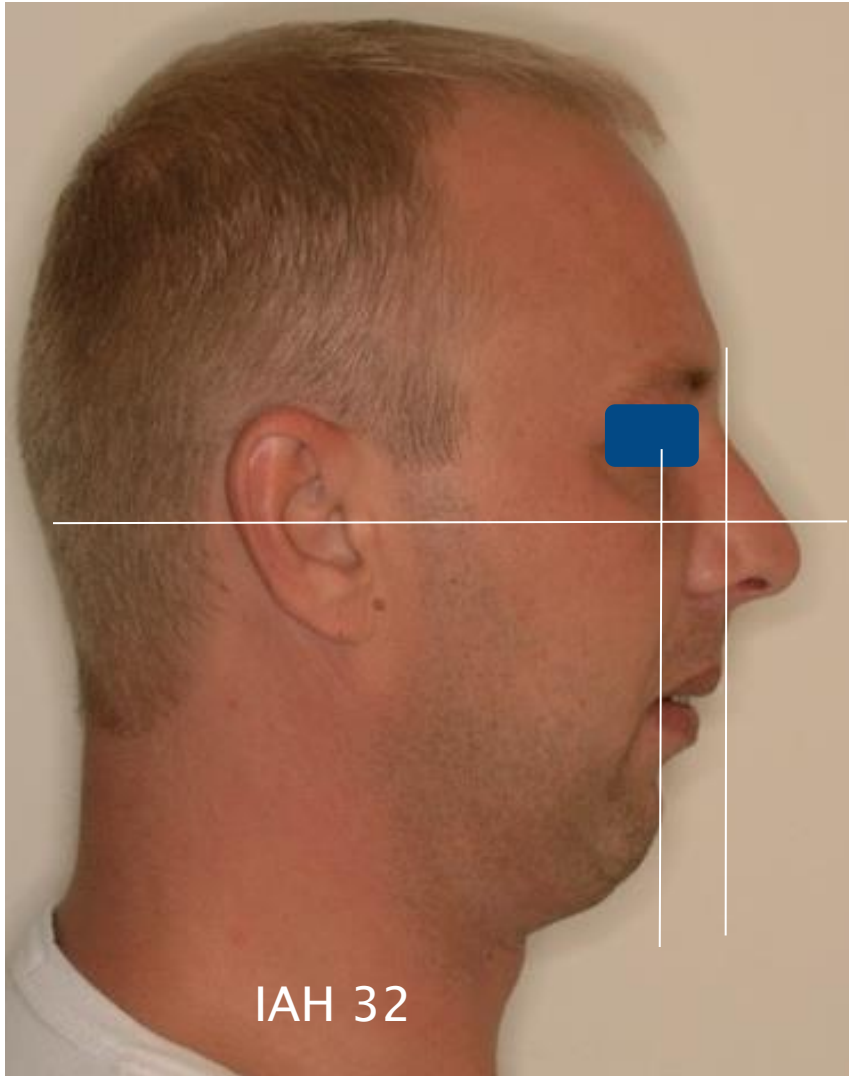
90°

NP





Rétromandibulie Classe II div.1



Logiciel Tridim®

ANALYSE ARCHITECTURALE et ORTHOGNATHIQUE CRANIO-FACIALE

Sexe: Masculin **TYPOLOGIE CRANIENNE:** TENDANCE TRANSFRONTAL

POPULATION DE REFERENCE: Caucasienne **DATE DE LA RADIO:** 14/06/2008

OPTIONS EN COURS: F4 par Np calculé

SYNTHESE

Les chiffres donnés dans ce tableau correspondent aux **différences** entre les chiffres optimaux et ceux du patient.

Angle C1/F1 crano-adapté (rappel)		92°
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MAXILLAIRE

Orientation	PROMAXILLIE	4°
Hauteur palais (niveau de Pti)	Ascension	-5mm

MANDIBULE

Symphyse mentonnière (position)		
Sens sagittal		
Par rapport à la ligne F1 (crano-adapté)	RETROMANDIBULIE	-7°
Sens vertical (Me)	Abaissement	5mm
Ramus par rapport à F3		
Position		
Tête du condyle	RETRO-CONDYLIE	5mm
Orientation		
Bord postérieur	Bascule antérieure	13°
Mesures		
Ramus (hauteur)	BRACHYRAMIE	-14mm
Angle	Ouverture	25°
Corps (longueur)	BRACHYCORPIE	-20mm
Longueur totale (Cp-Me)	BRACHYMANDIBULIE	-8mm

Décalage MAXILLO- MANDIBULE

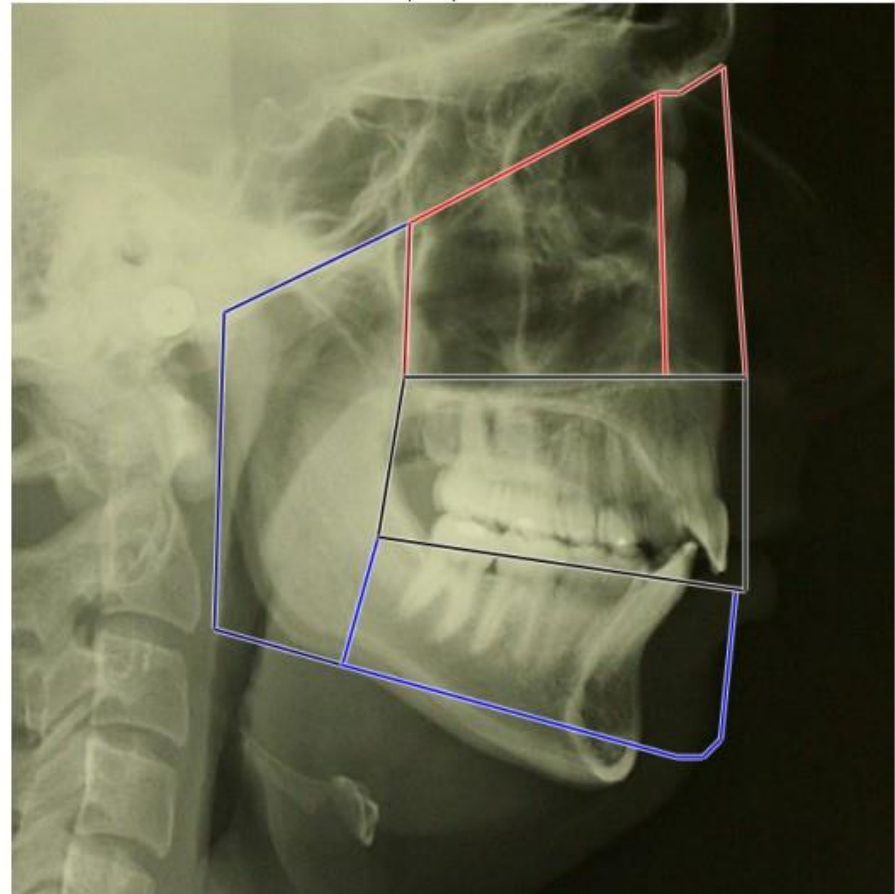
angle f1M / f1m	Classe II Squelettique	11°
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PROPORTIONS VERTICALES ETAGE INFERIEUR DE LA FACE

Segment ENA-Me / total profil osseux (N-ENA + ENA-Me)		57%
Différence	Excès Vertical Antérieur	2%

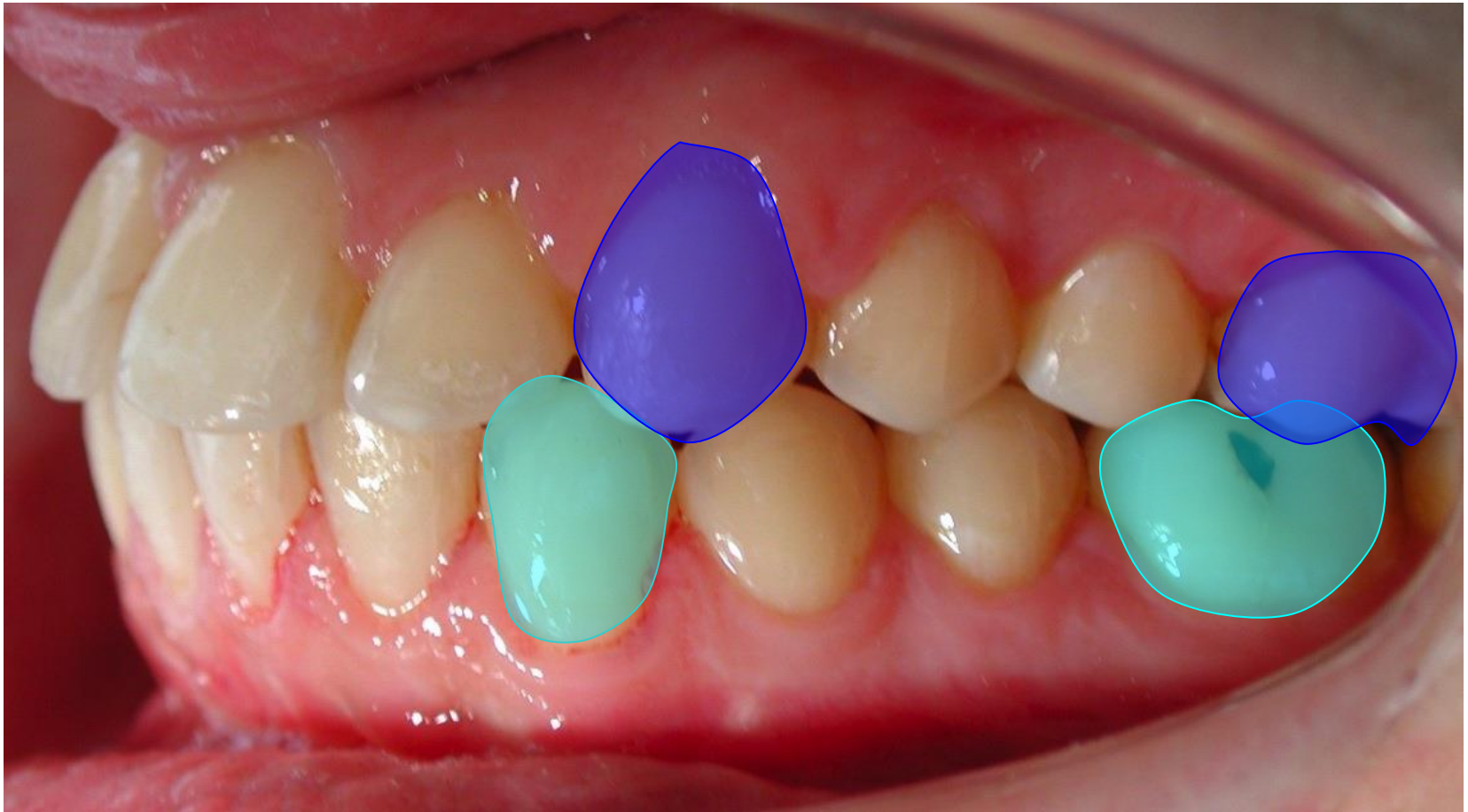
MESURES INCISIVES

I.Sup. Position apex	RETRO	-2mm	Orientation	PALATOVERSION	-8°
I.inf. Position apex	RETRO	-3mm	Orientation	VESTIB.ERSION	4°
Hauteur incisivo-mentonnière (distance ib-imt)					19mm

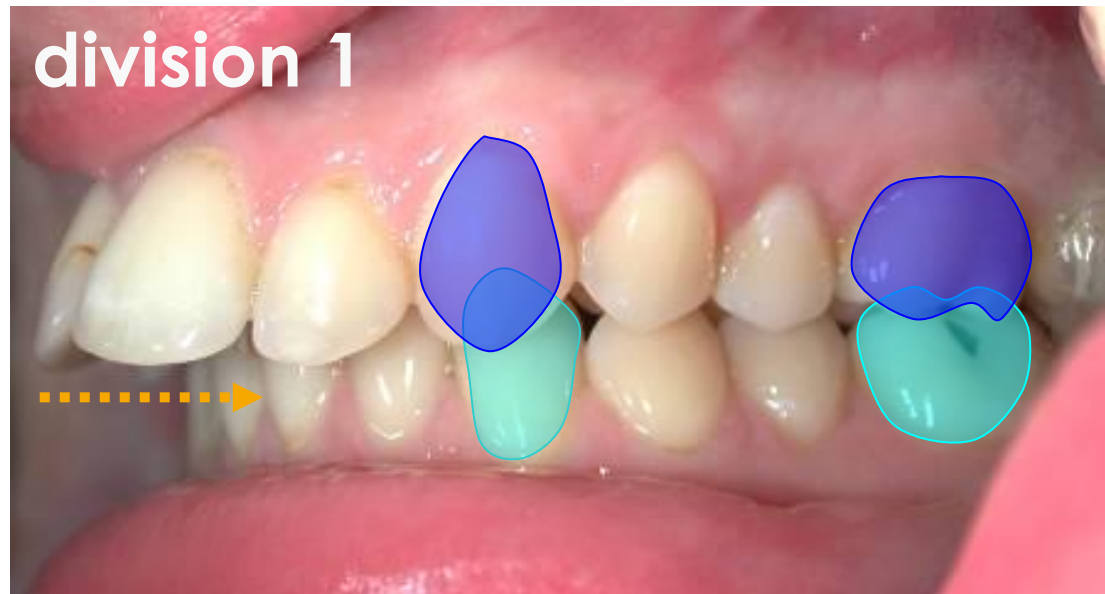


SNA 77 SNB 74

Rapports inter-arcades: Classe I d'Angle, occlusion engrénante



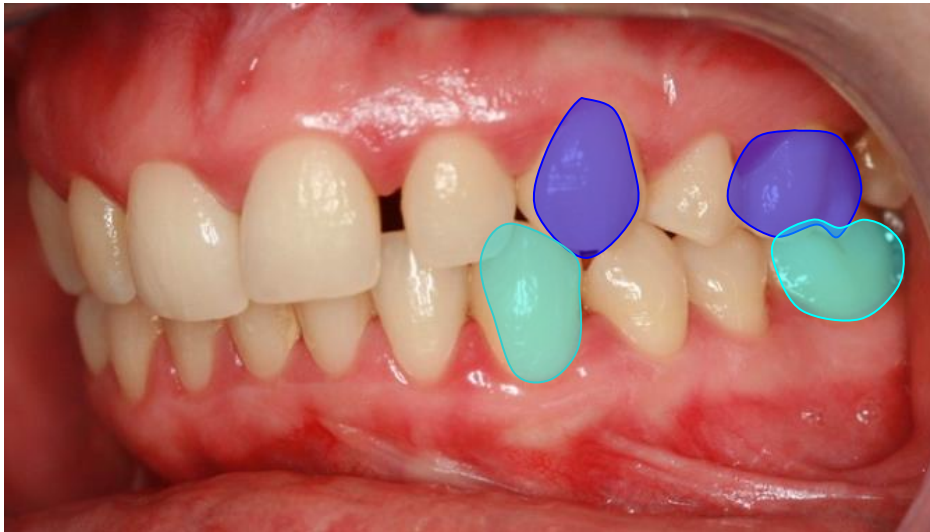
Classe II



Classe III : occlusion mésiale bout à bout, inversé antérieur



Classe II thérapeutique



Anomalies verticales : infracclusions, supraclusion



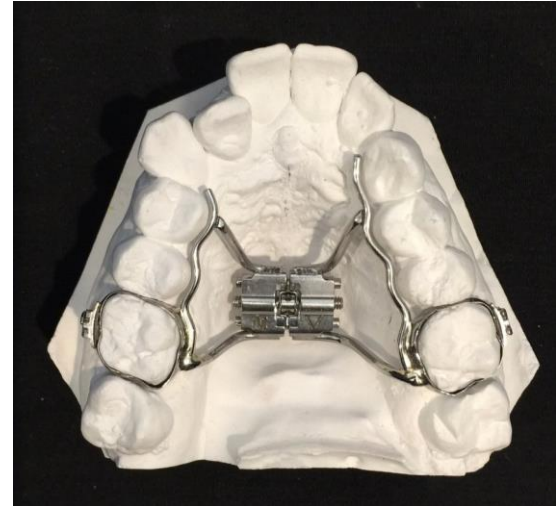
Sens transversal: endomaxillie



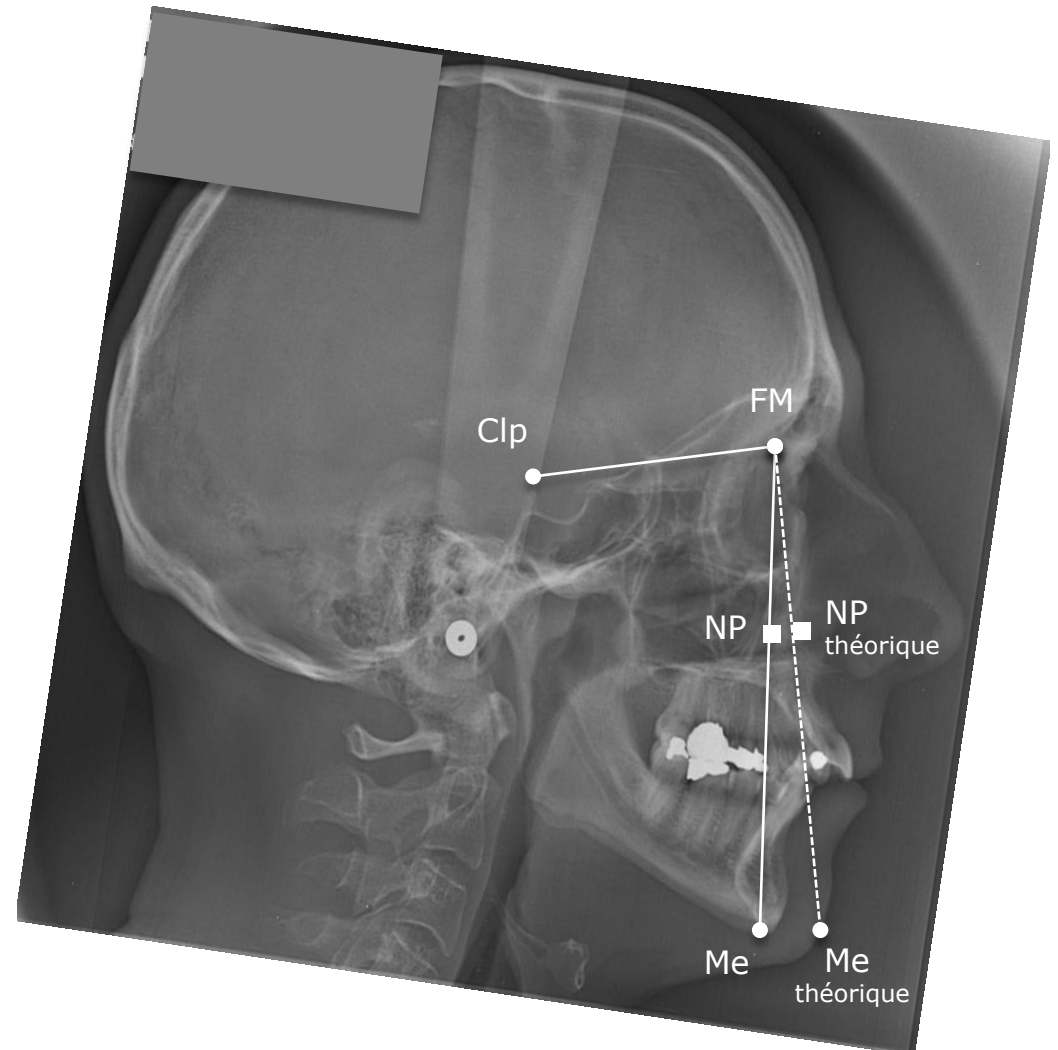
Anomalies sens transversal et sagittal



Endo bi-maxillaire



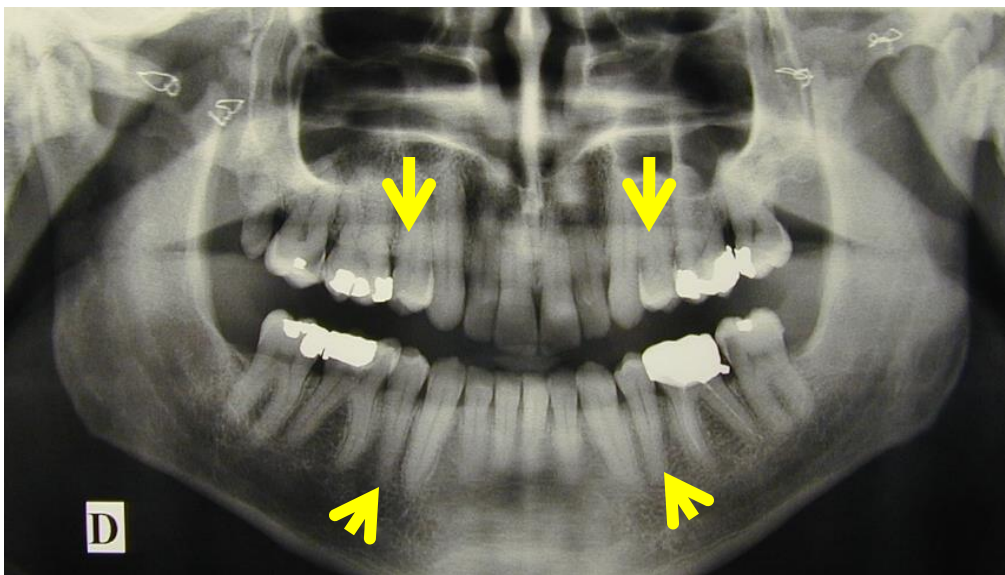
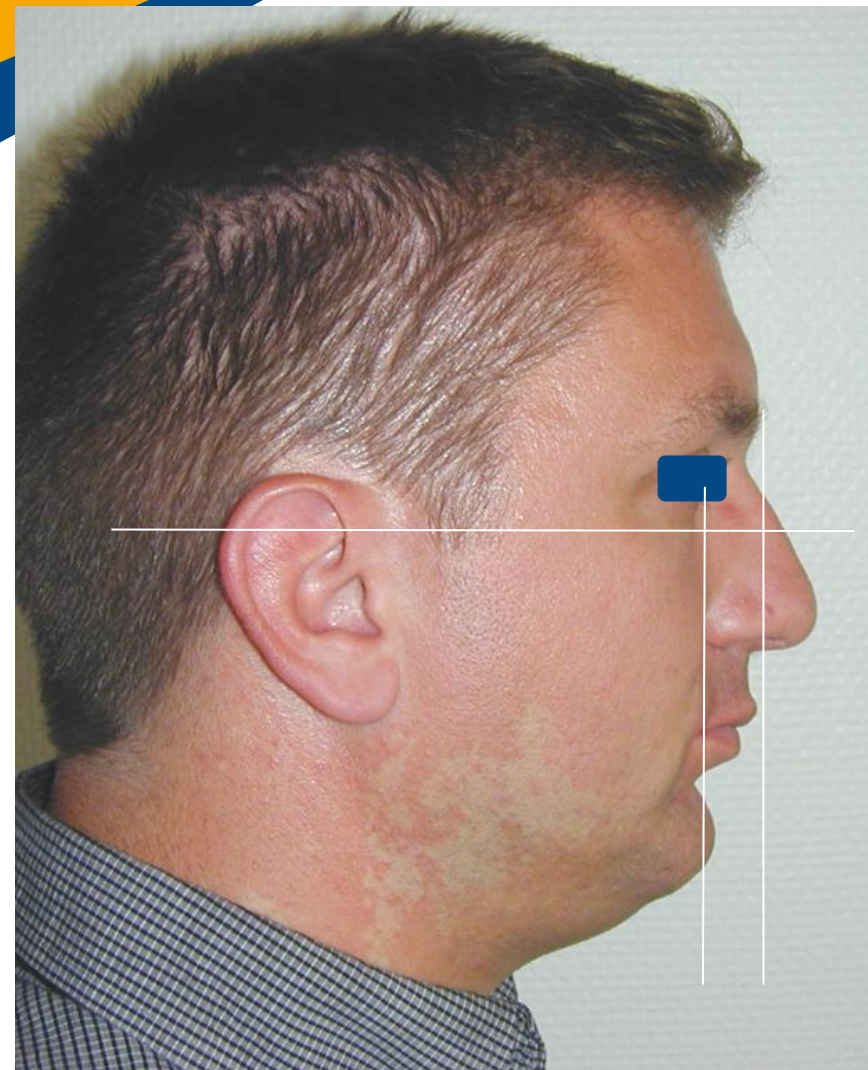
Téléradiographie face + profil



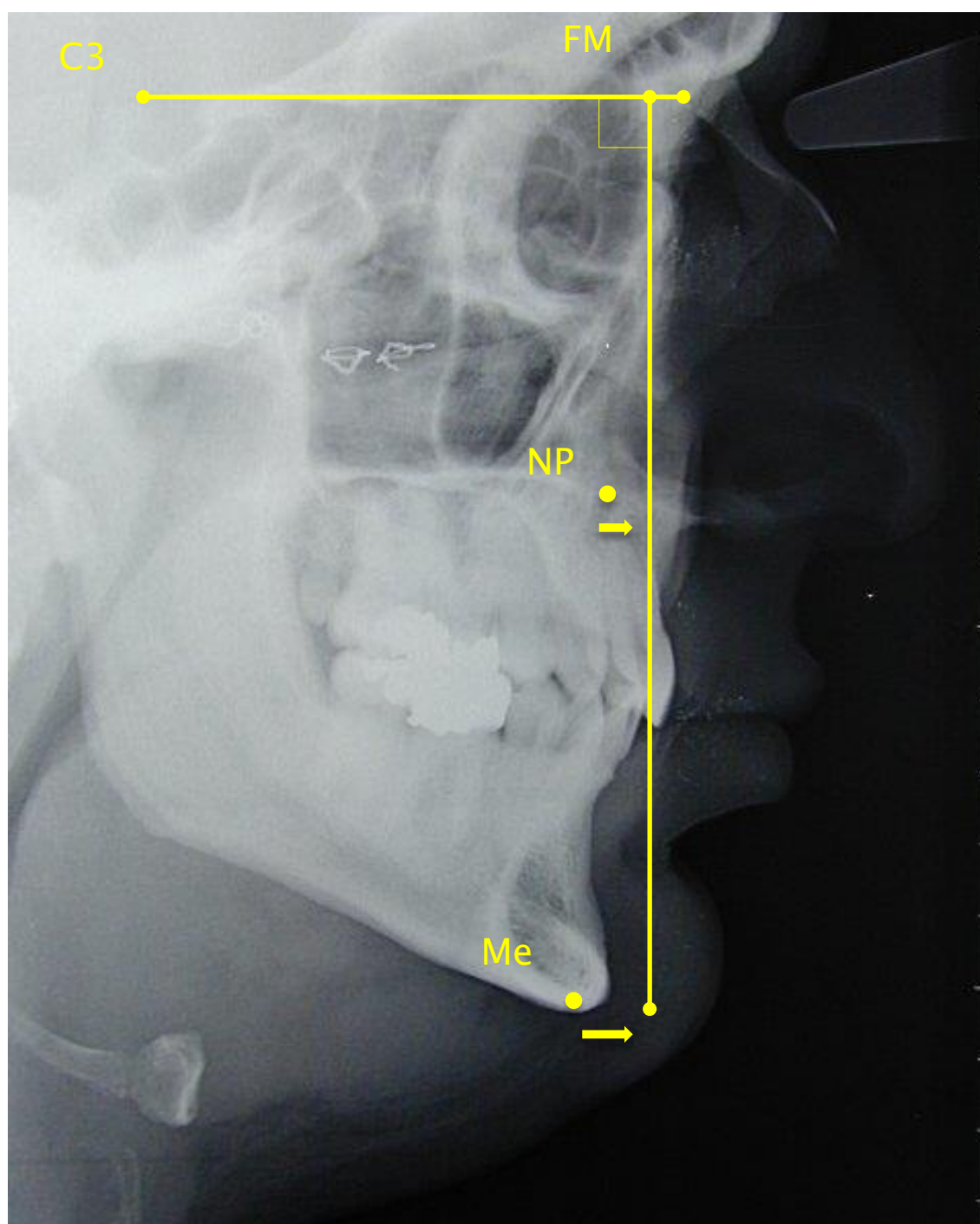
Classe II béance

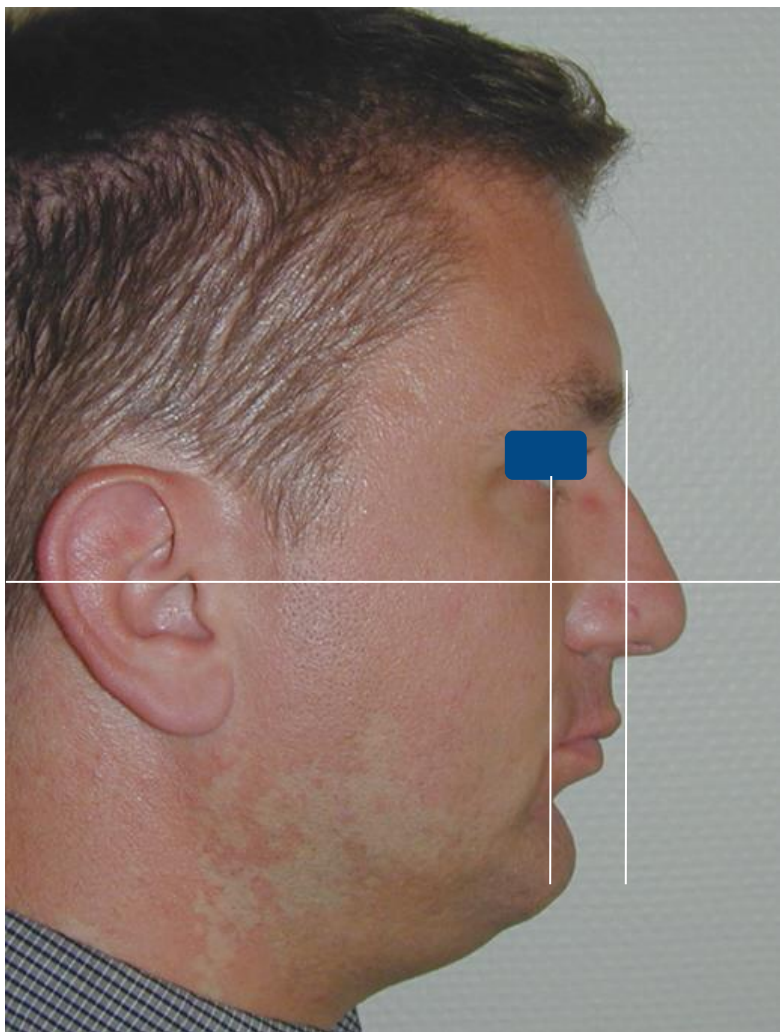


J. Cohen Levy

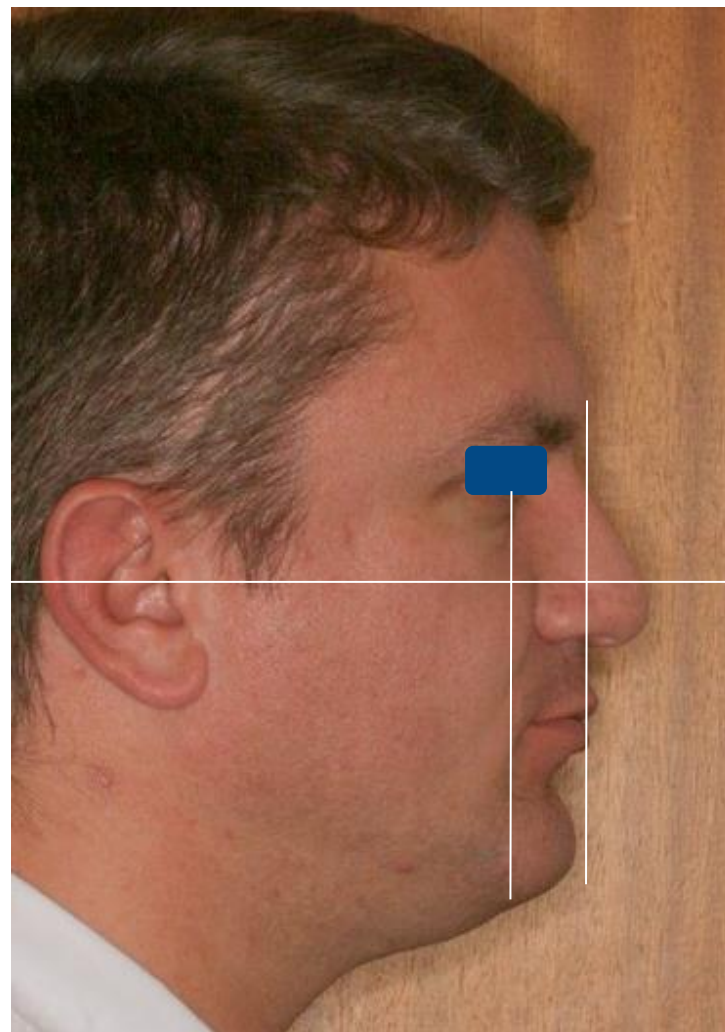


38 ans, IMC: 26, Epw:12, IAH: 54





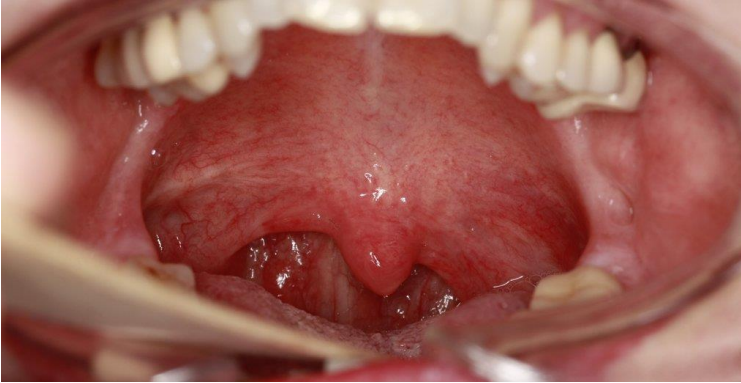
IAH: 54

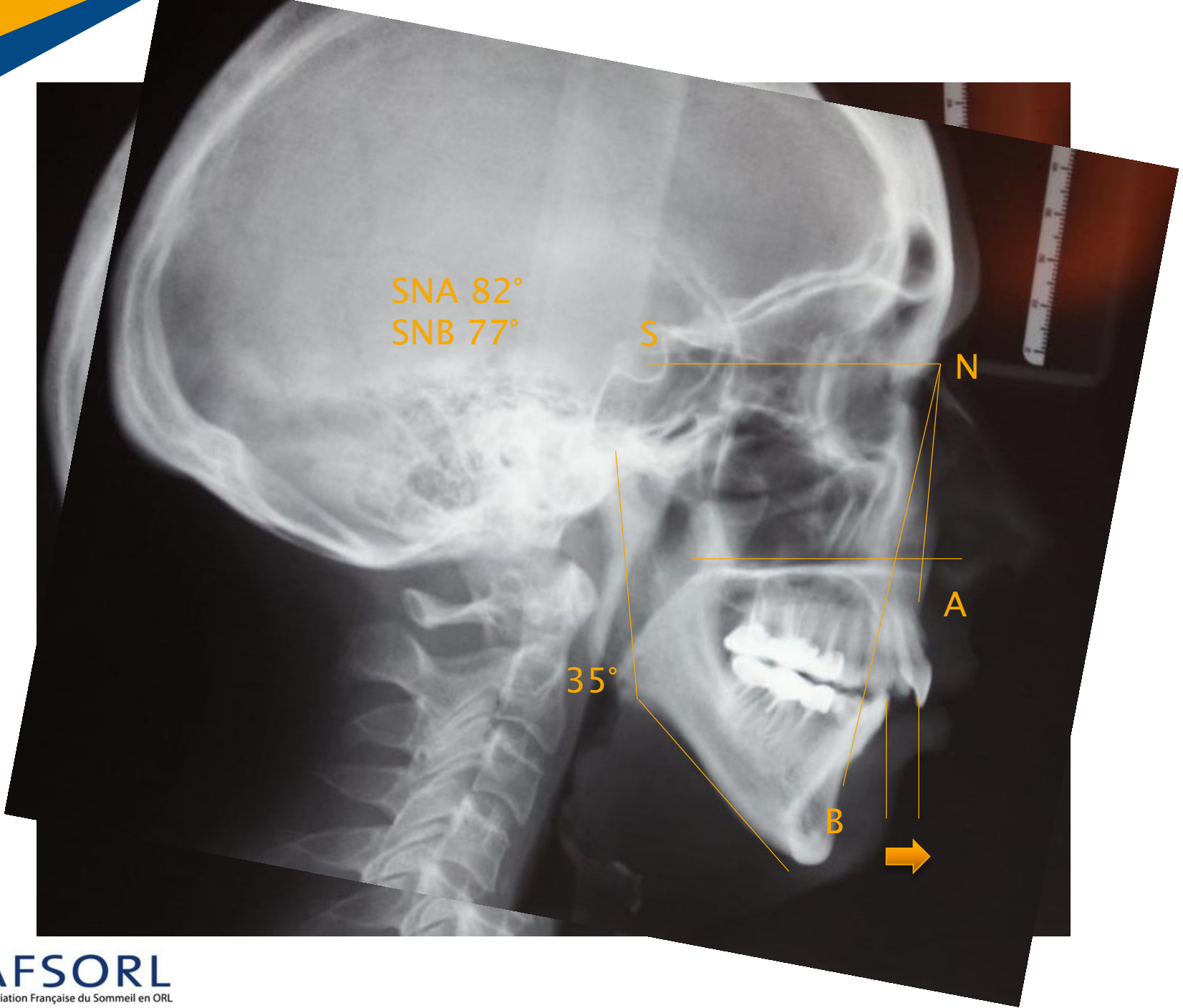


IAH: 8 IMEV: 5



- ▶ 44 ans, IMC:28
- ▶ IAH 38/h
- ▶ Intolérance au masque PPC
- ▶ orthèse Resmed Narval:
 - Douleurs dentaires
 - Modifications occlusales persistantes
- ▶ Arrêt du port de l'orthèse
- ▶ Nouvel essai de PPC
- ▶ Alternative?







Bilan dento-squelettique

- ▶ **Squelettique :**
 - Classe II
 - hyperdivergence
 - endognathie
- ▶ **Dentaire:** Malocclusion Classe II subdivision droite liée à 41 absente, DDM
- ▶ **Parodontal:** parodonte faible, alvéolyse horizontale
- ▶ **Articulaire:** remodelage articulaire gauche

Bilan dento-squelettique: conclusion

- ▶ Utile pour évaluer la responsabilité squelettique
- ▶ Evaluation des risques sous orthèse
- ▶ Evaluation des possibilités chirurgicales